



Government of **Western Australia**
School Curriculum and Standards Authority

SAMPLE ASSESSMENT OUTLINE

AGRICULTURAL SCIENCE AND TECHNOLOGY

ATAR YEAR 12

Acknowledgement of Country

Kaya. The School Curriculum and Standards Authority (the Authority) acknowledges that our offices are on Whadjuk Noongar boodjar and that we deliver our services on the country of many traditional custodians and language groups throughout Western Australia. The Authority acknowledges the traditional custodians throughout Western Australia and their continuing connection to land, waters and community. We offer our respect to Elders past and present.

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Any resources such as texts, websites and so on that may be referred to in this document are provided as examples of resources that teachers can use to support their learning programs. Their inclusion does not imply that they are mandatory or that they are the only resources relevant to the course. Teachers must exercise their professional judgement as to the appropriateness of any they may wish to use.

Sample assessment outline

Agricultural Science and Technology – ATAR Year 12

Unit 3 and Unit 4

Assessment type (from syllabus)	Assessment type weighting (from syllabus)	Assessment task weighting	Start and submission dates	Assessment task
Science inquiry	15%	8%	Semester 1 Week 4 start Week 5 due	Task 1: Investigating transpiration – students design and conduct an investigation to explore factors that affect the rate of transpiration
		7%	Semester 2 Week 13	Task 7: Animal growth and development data analysis – students analyse second-hand data on the effect of feed additives/supplements on growth rates of an agricultural production animal
Project	15%	7.5%	Semester 1 Week 13 start Week 15 due	Task 3: Integrated pest management plan – students develop an integrated pest management plan for one weed, invertebrate pest, or pathogen for a chosen plant production system
		7.5%	Semester 2 Week 1 start Week 3 due	Task 5: Food security – students research opportunities for developments and improvements which can be used to address the issues of food security, including new and upcoming technologies and strategies to mitigate soil problems such as salinity, erosion and acidity relevant to an agricultural region of WA
Test	20%	8%	Semester 1 Week 10	Task 2: Plant growth – test includes multiple-choice, short-answer and extended-answer questions
		12%	Semester 2 Week 11	Task 6: Breeding and improvement, plant and animal reproduction and breeding – test includes multiple-choice, short-answer and extended-answer questions

Assessment type (from syllabus)	Assessment type weighting (from syllabus)	Assessment task weighting	Start and submission dates	Assessment task
Examination	50%	20%	Examination week Semester 1 Week 16	Task 4: Semester 1 examination – Units 3 and 4 content covered during Semester 1 Three hours, using the examination design brief from the syllabus Section One: 15 multiple-choice questions (15%) Section Two: 7–10 short-answer questions (55%) Section Three: Two questions from a choice of four (30%)
		30%	Examination week Semester 2 Week 14	Task 8: Semester 2 examination – Units 3 and 4 content with approximately 50% Unit 3 and 50% Unit 4 Three hours, using the examination design brief from the syllabus Section One: 15 multiple-choice questions (15%) Section Two: 7–10 short-answer questions (55%) Section Three: Two questions from a choice of four (30%)
Total	100%	100%		